

PATENT ABSTRACTS OF JAPAN

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(54) RECORDING METHOD FOR OPTICAL INFORMATION

(57)Abstract:

PURPOSE: To perform simultaneous erasure and recording wherein a large playback signal amplitude is obtained even when an optical disk having a recording thin film fast in crystallization speed is used by holding the power level of laser light above power for fusing the recording thin film when a signal is erased and decreasing the power level of the laser light momentarily when recording is performed.

CONSTITUTION: While an old signal is erased with a single laser light spot on an optical information recording member having the recording thin film which changes reversibly between two optically identified states by projecting a laser light beam, etc., a new signal is recorded. At this time, the power level of the laser light is held above the power for fusing the recording thin film during the erasure period of the signal and decreased momentarily according to the recording signal. Consequently, a large playback signal is obtained and the irradiation power level is easily set.

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